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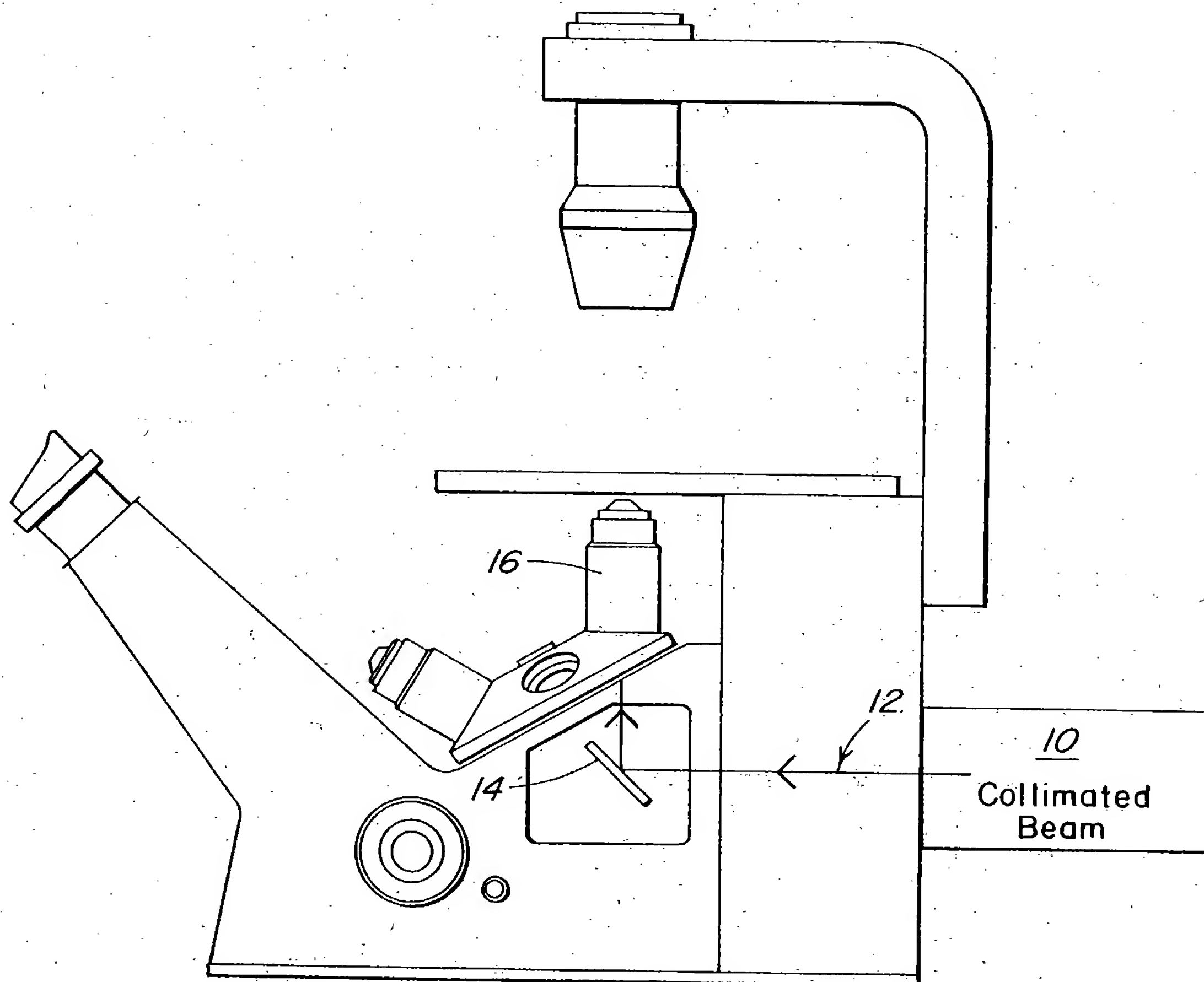


FIG. 1A
(PRIOR ART)

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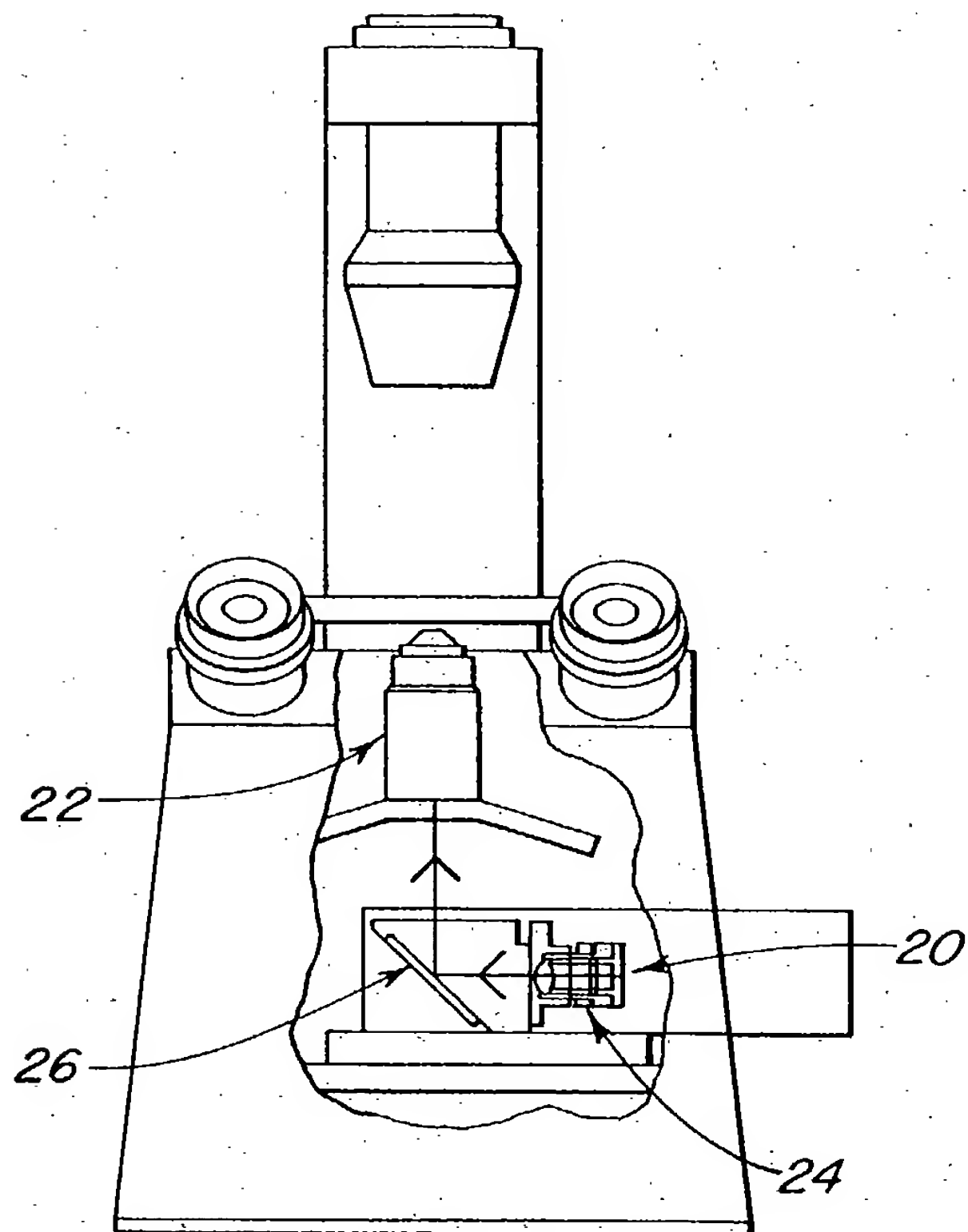


FIG. 1B
(PRIOR ART)

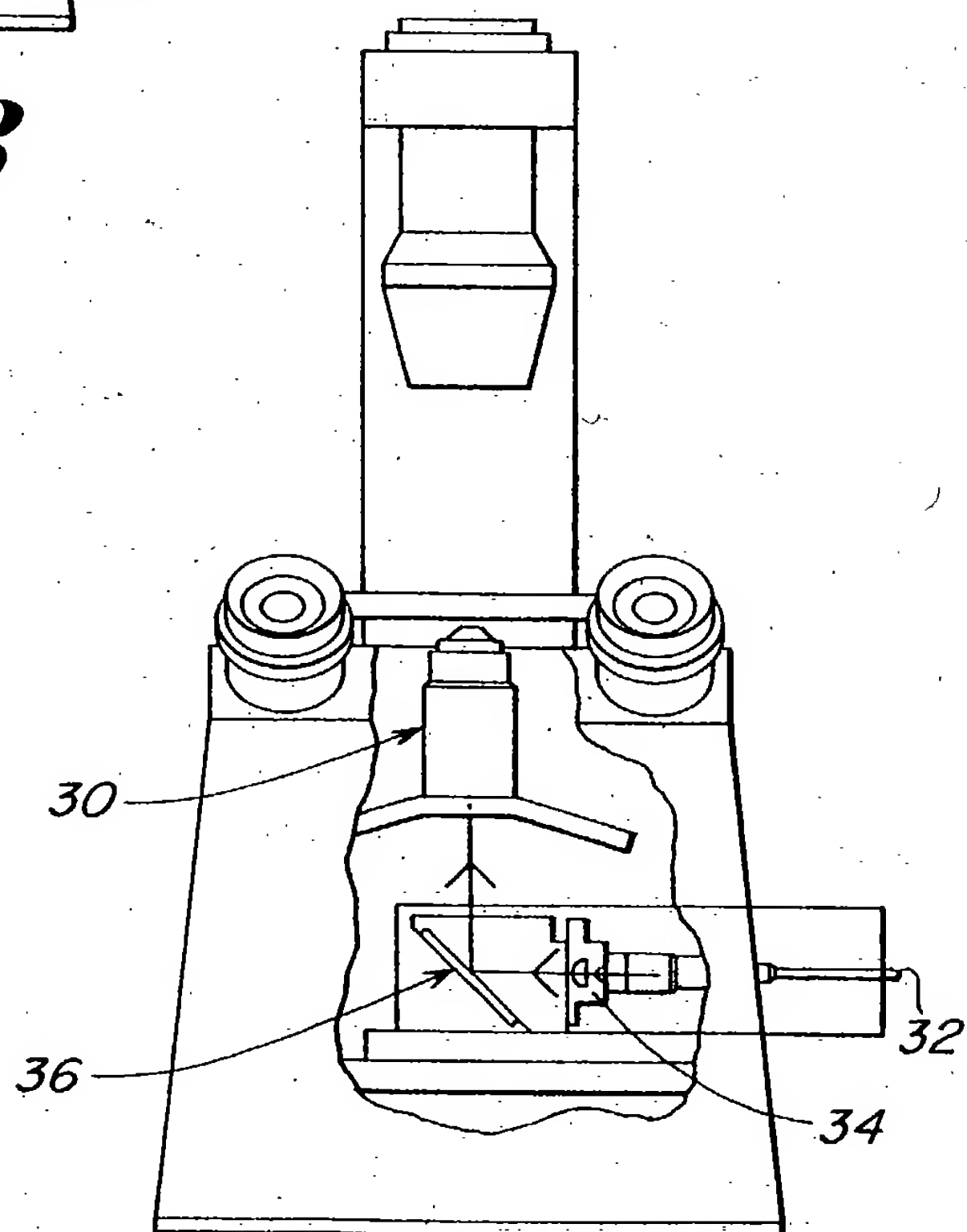
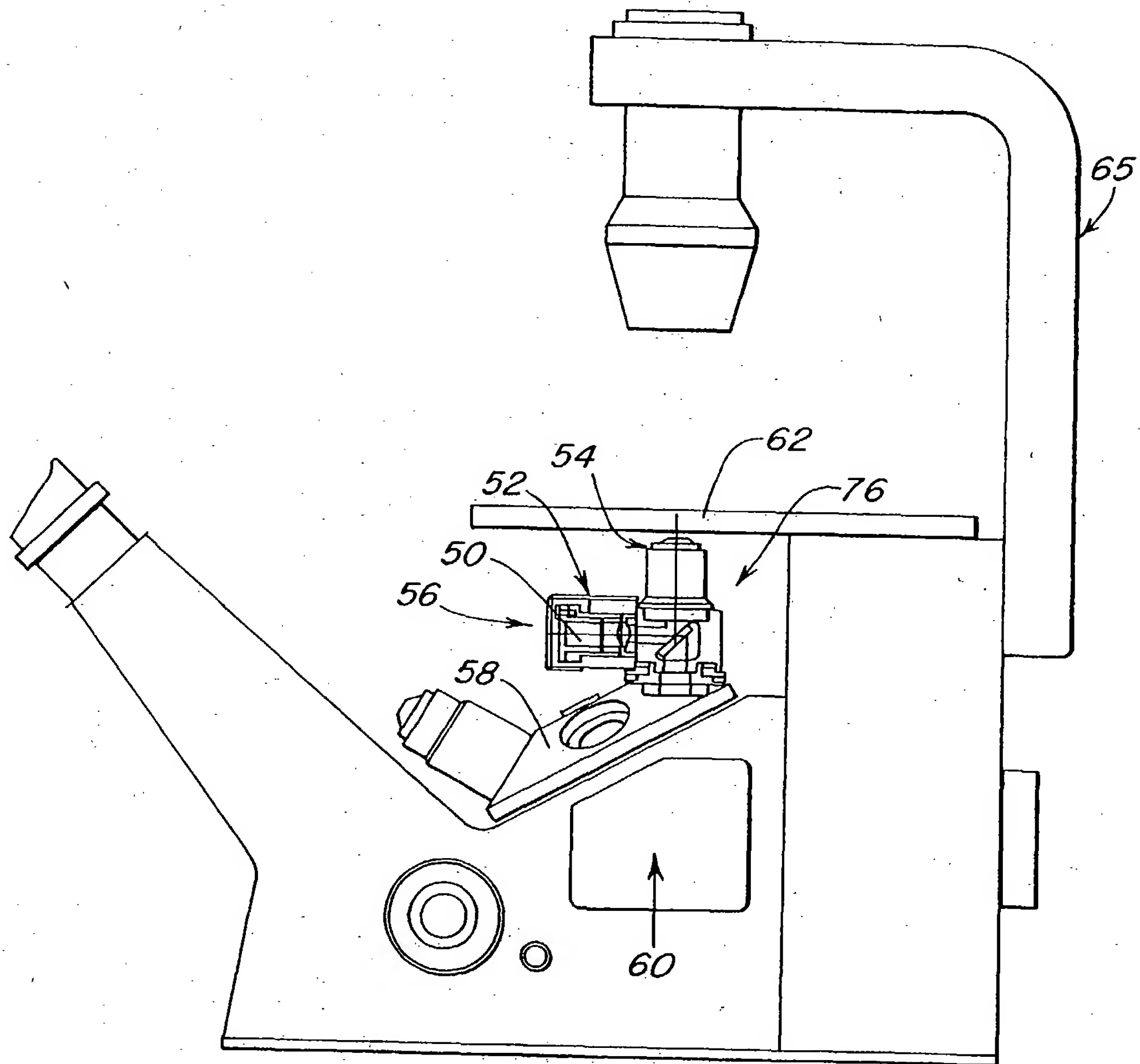
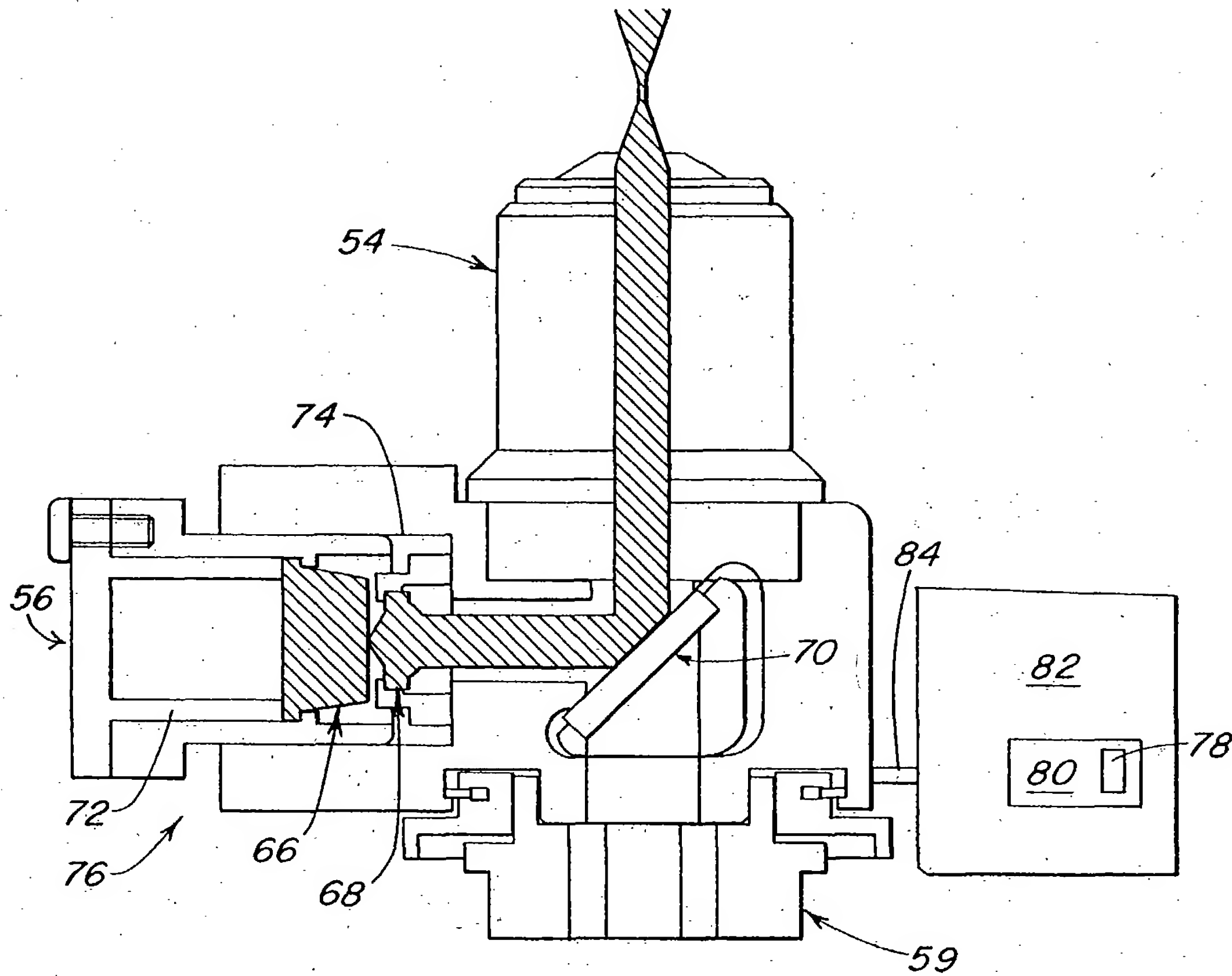


FIG. 1C
(PRIOR ART)

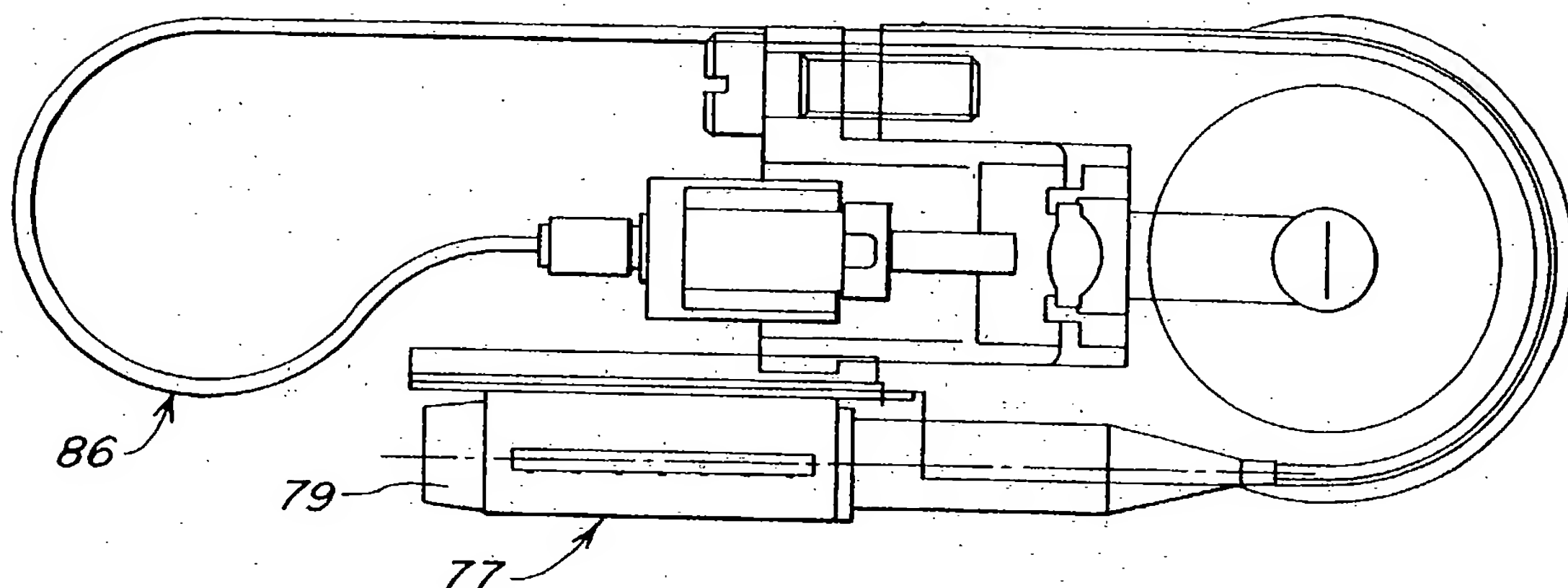
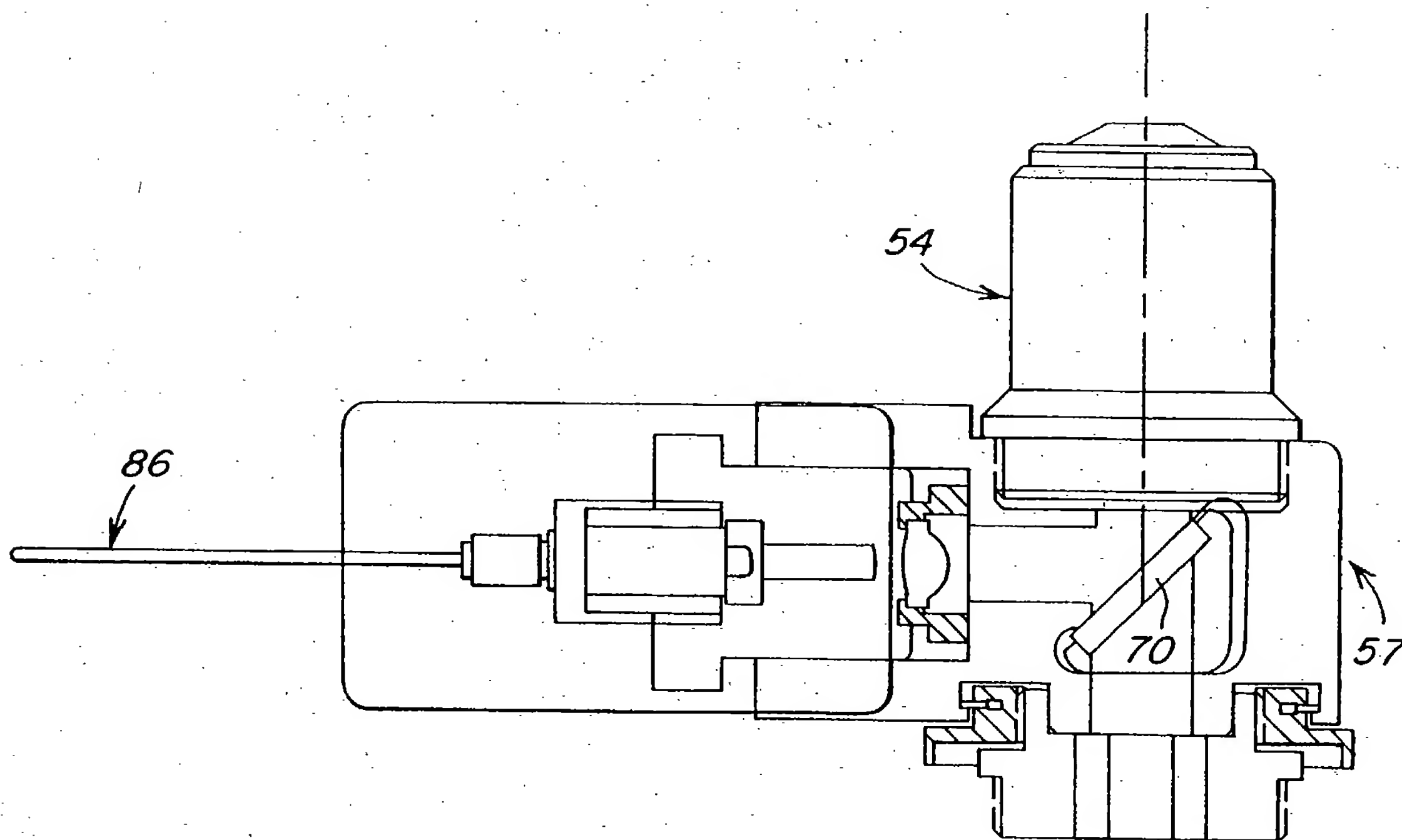
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**FIG. 2A**

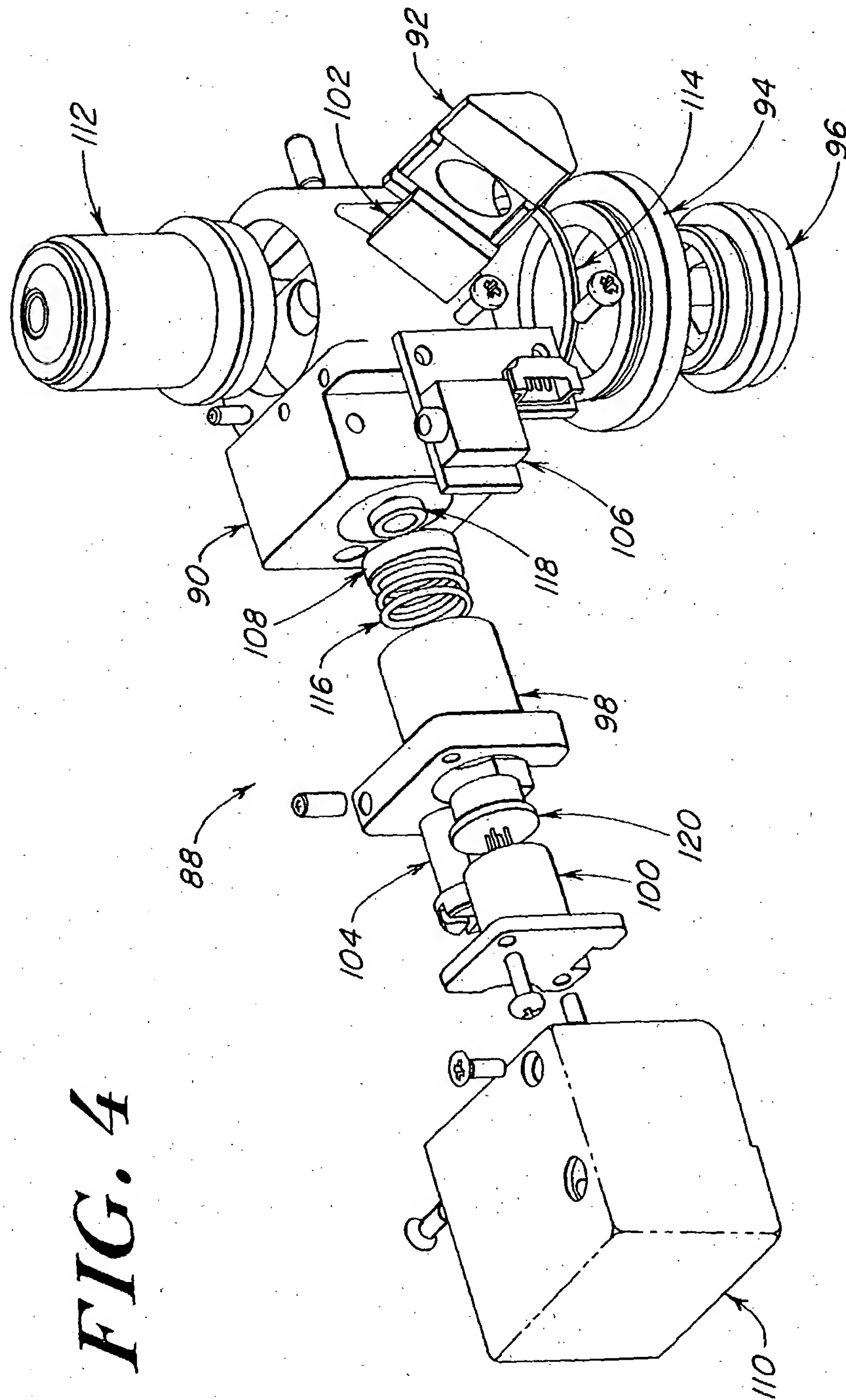
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**FIG. 2B**

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*FIG. 3A**FIG. 3B*

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**FIG. 4**

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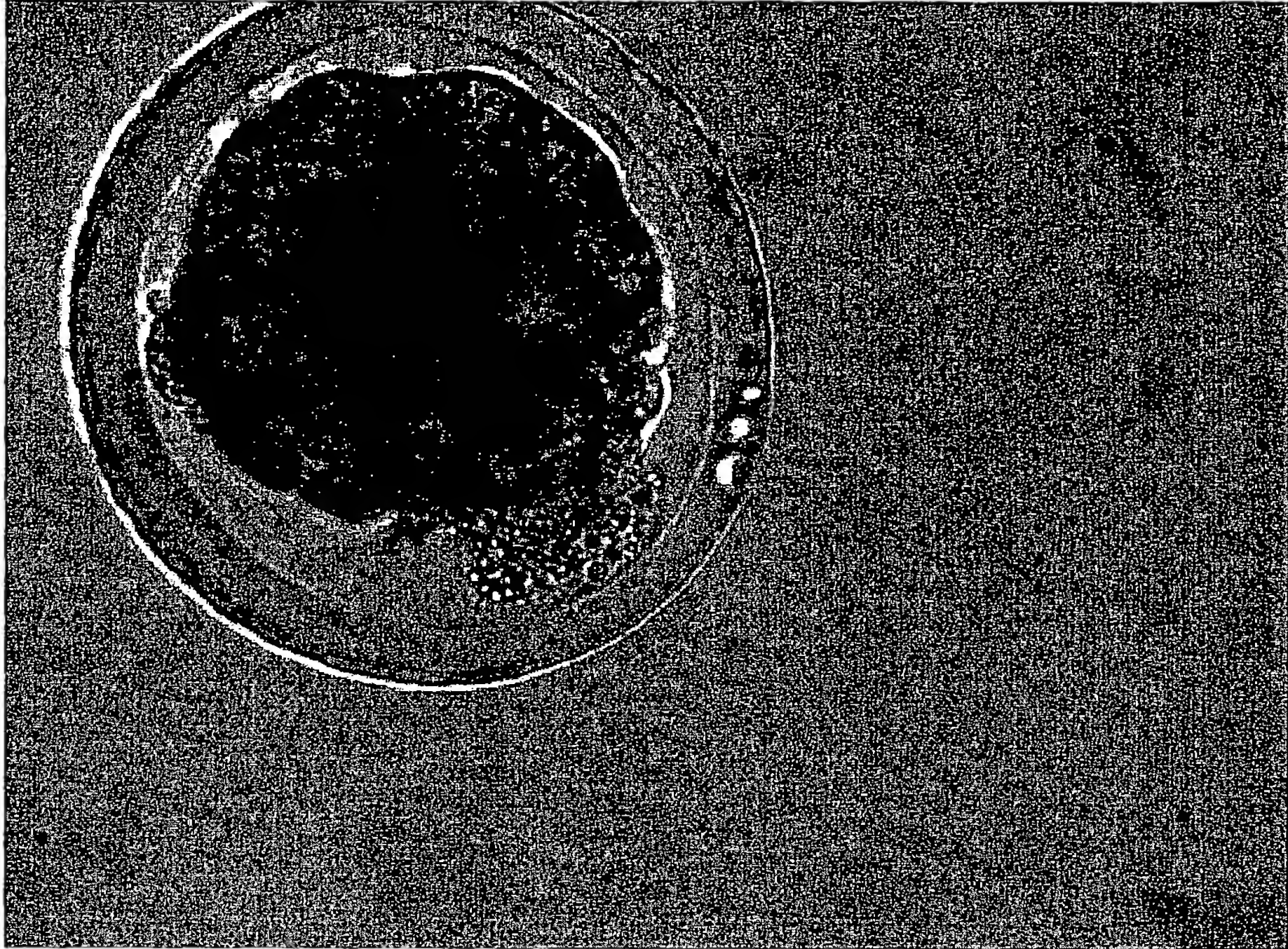


FIG. 8

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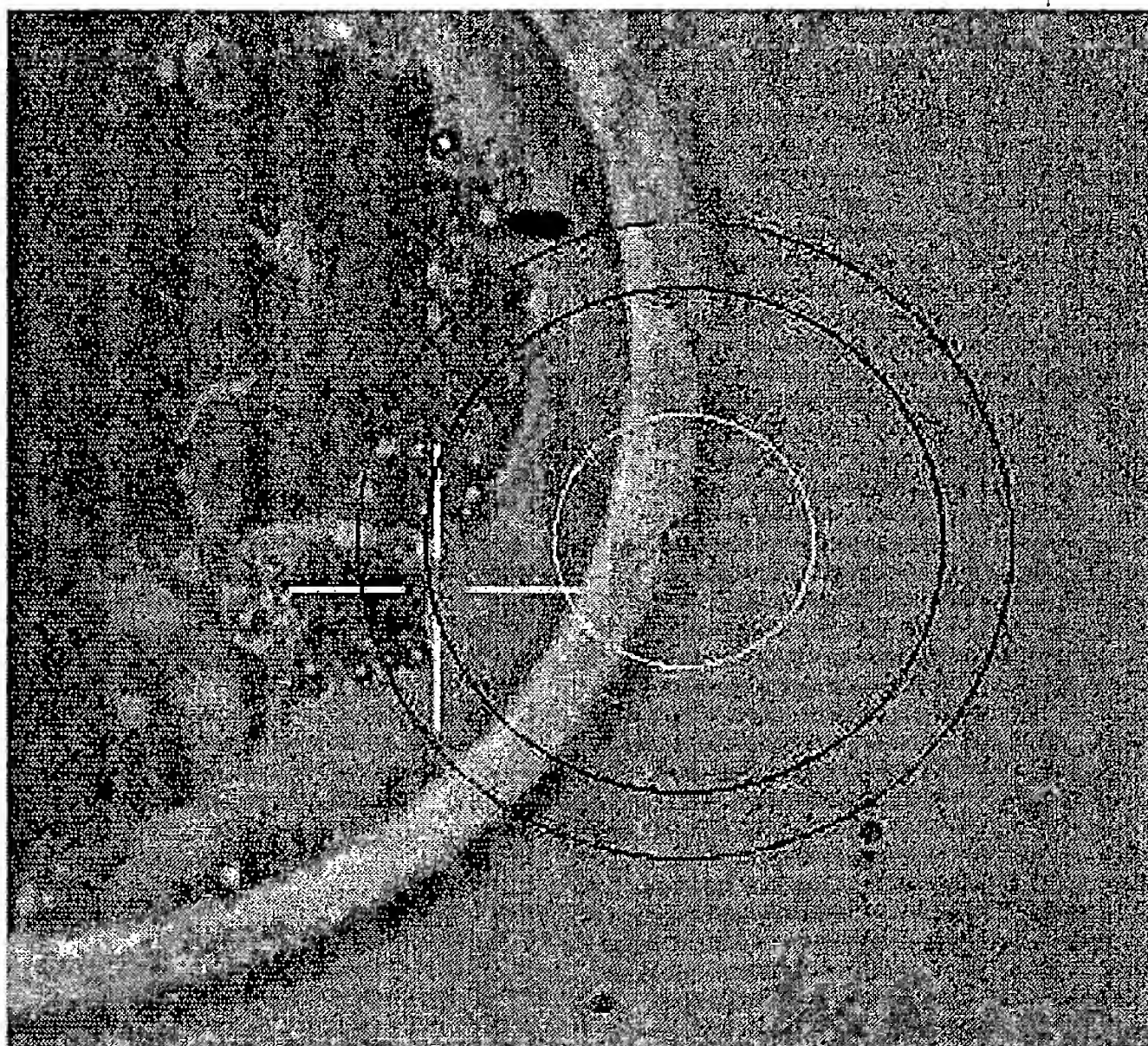


FIG. 7

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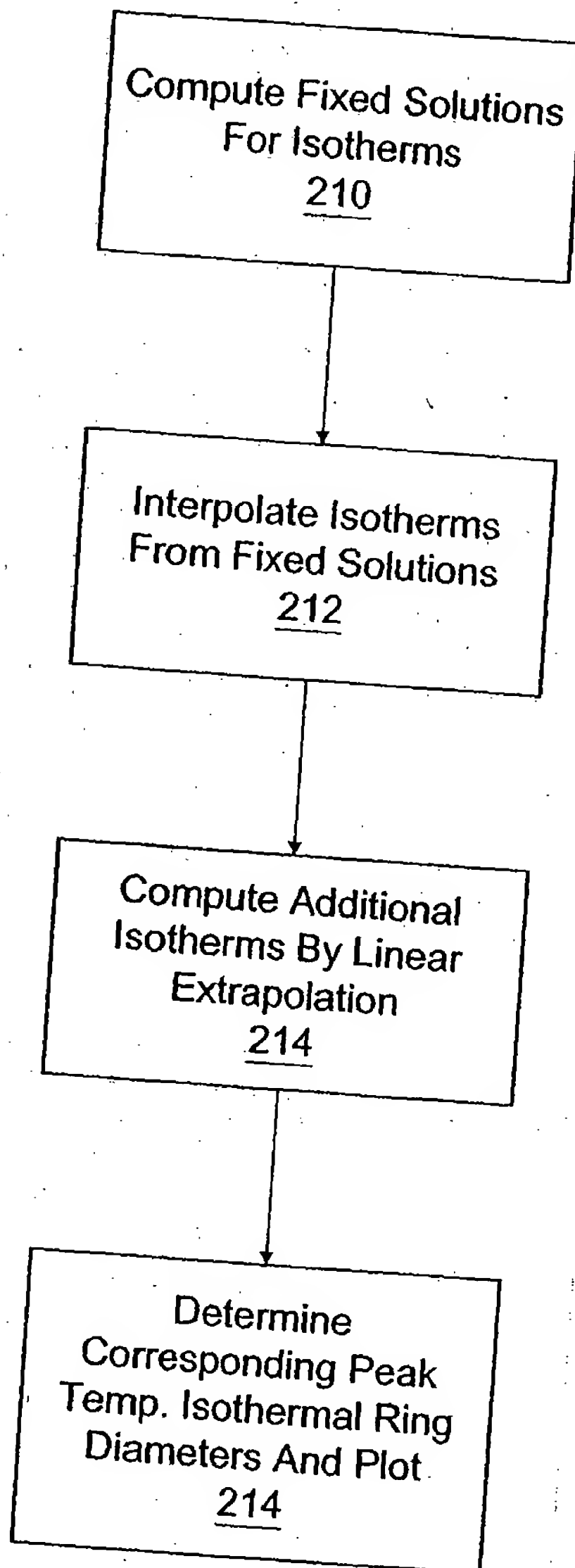


FIG. 6

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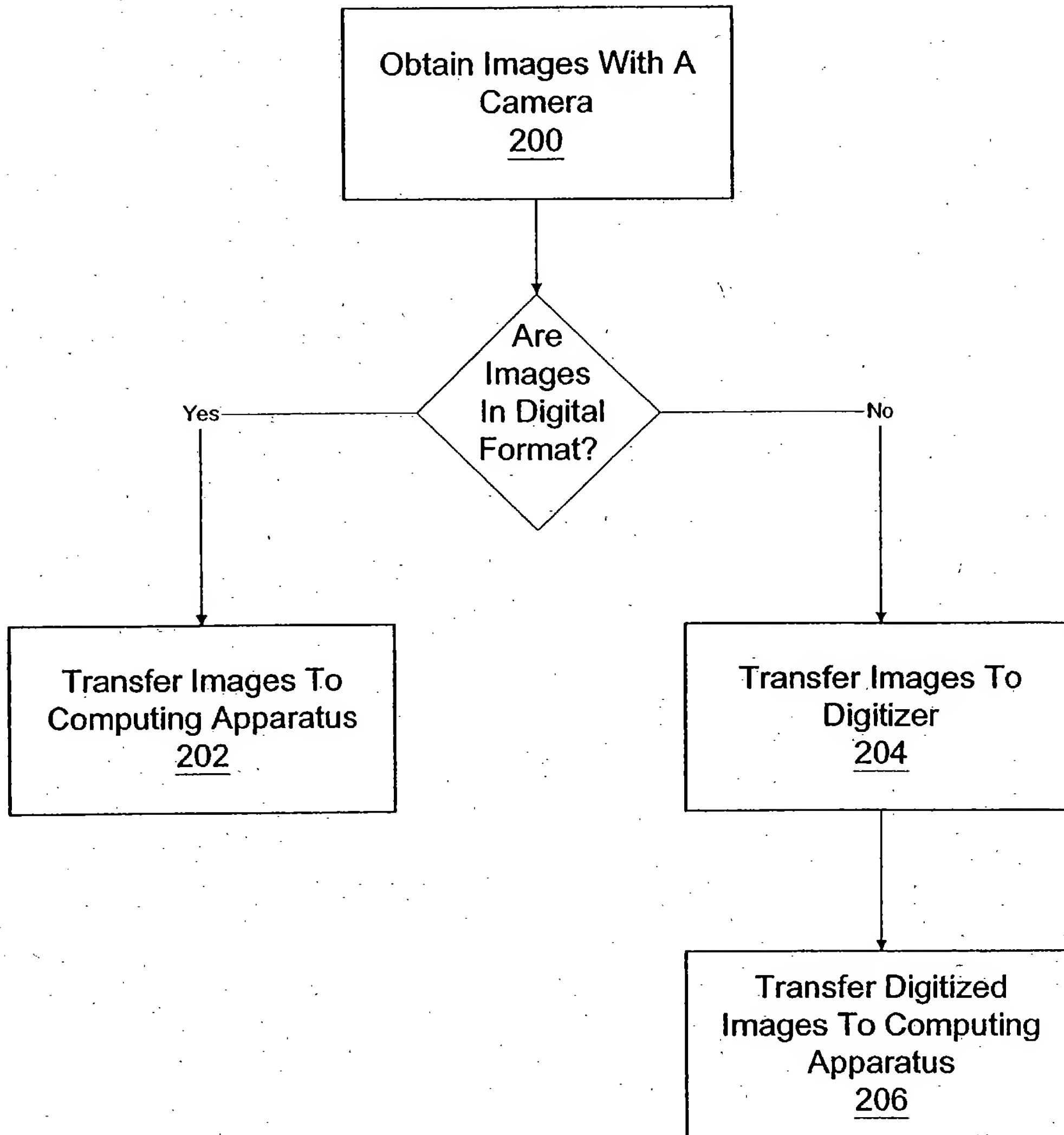


FIG. 5

App. No.: Not Yet Assigned
Inventor: Thomas G. Kenny, et al.

Docket No.: HTS-035DV

Title: METHOD FOR CALCULATING AND DISPLAYING THE
ISOTHERMAL CONTOURS PRODUCED BY A LASER

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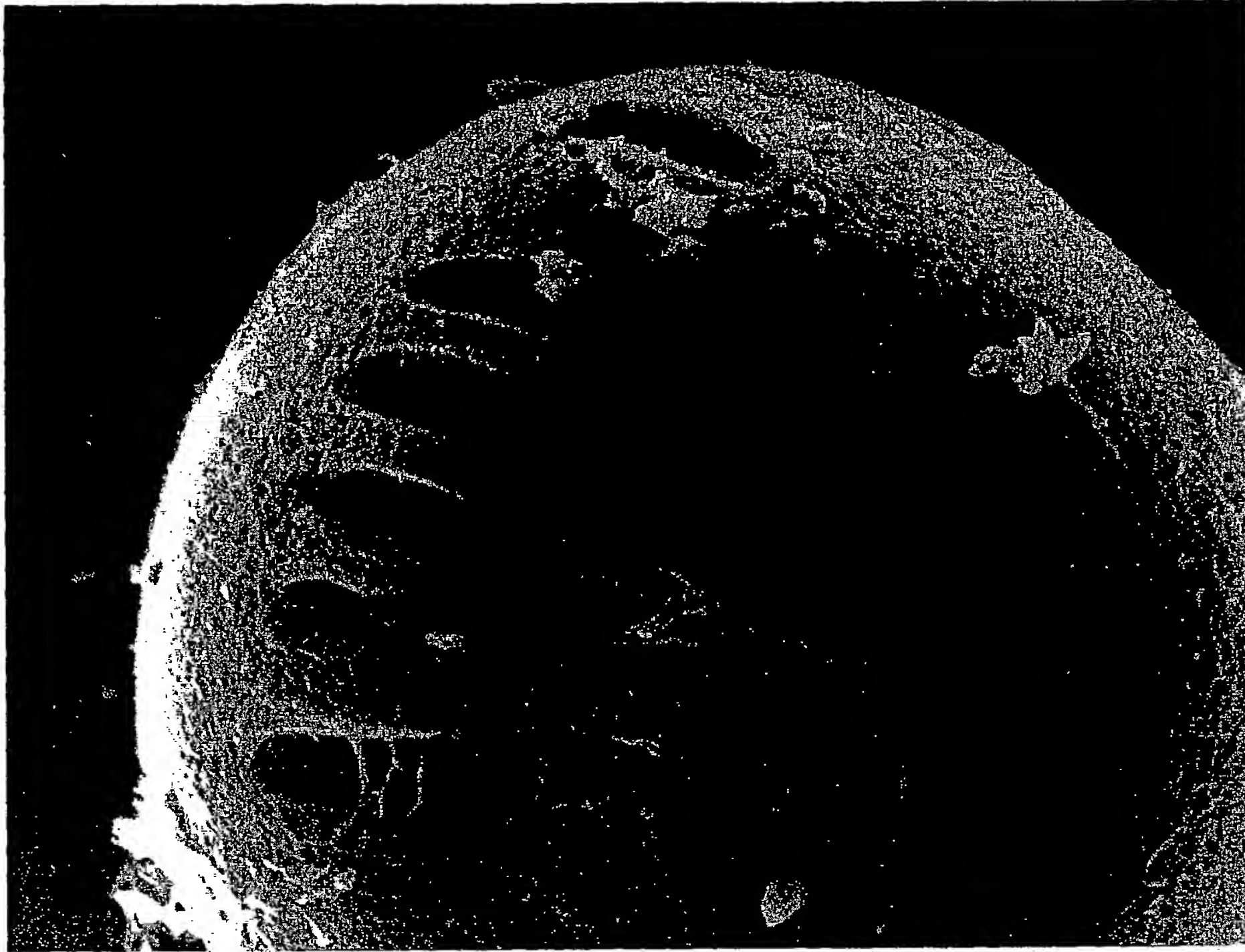


FIG. 9A

App No.: Not Yet Assigned

Docket No.: HTS-035DV

Inventor: Thomas G. Kenny, et al.

Title: METHOD FOR CALCULATING AND DISPLAYING THE
ISOTHERMAL CONTOURS PRODUCED BY A LASER

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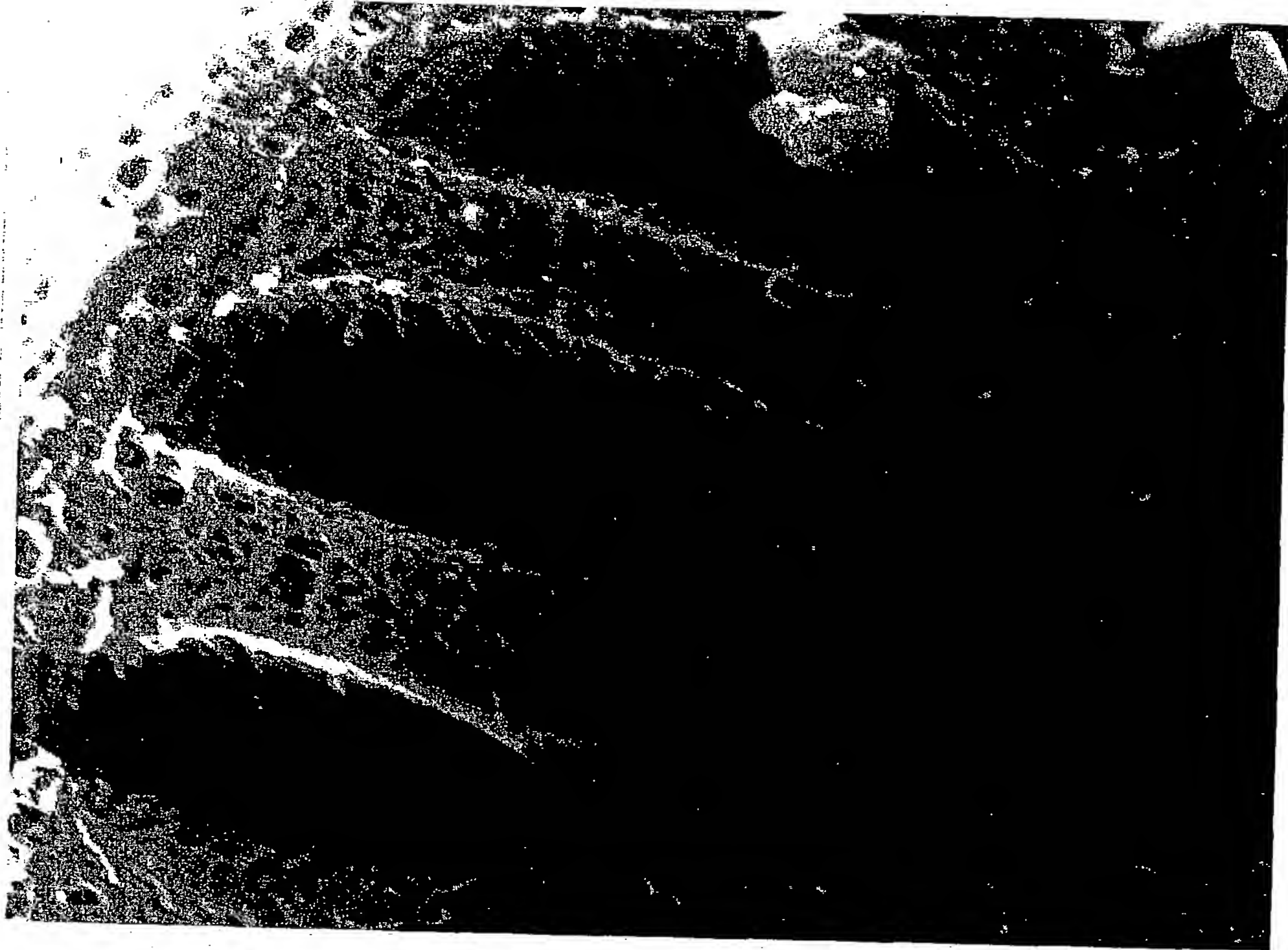


FIG. 9B

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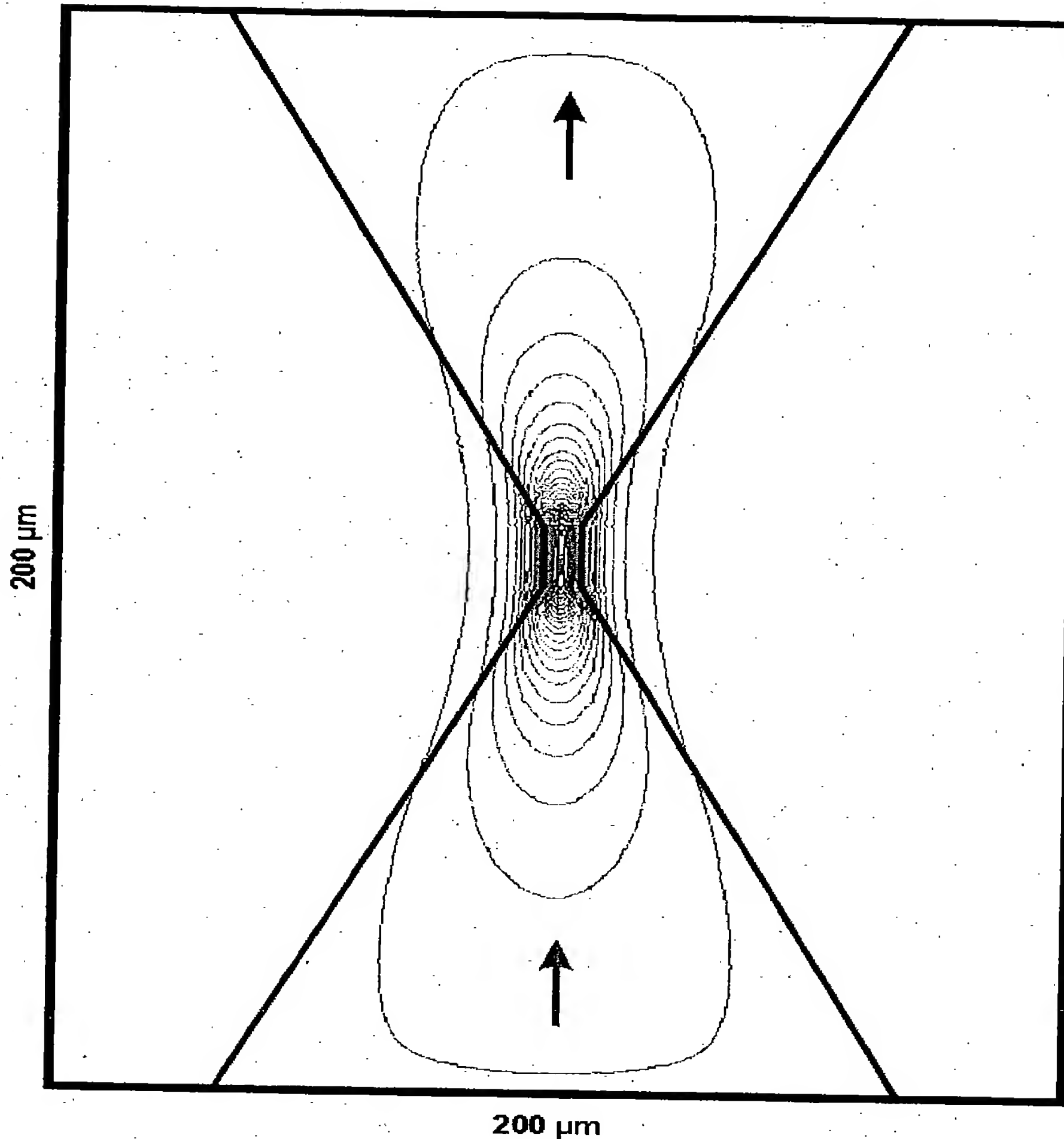


FIG. 10A

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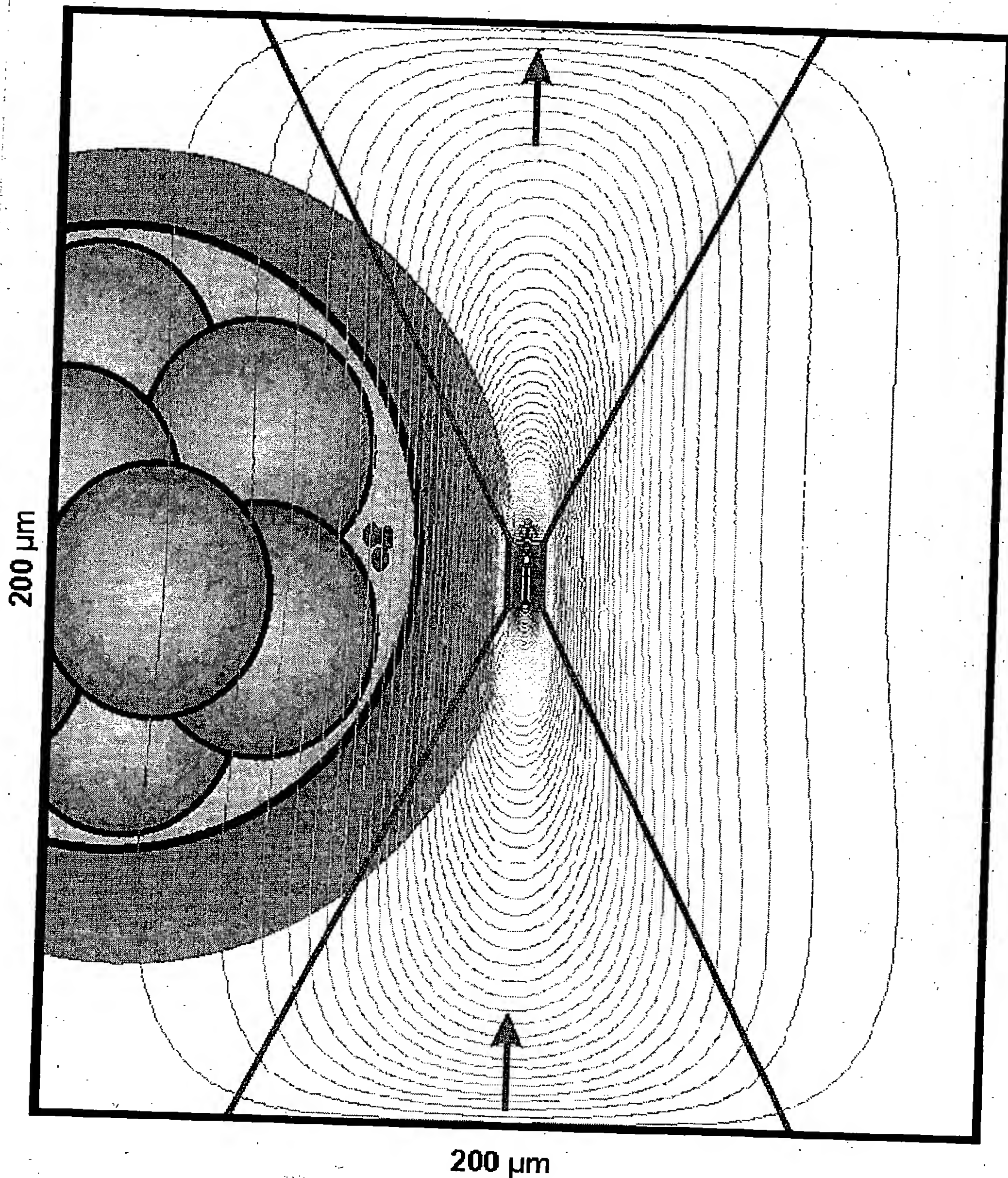
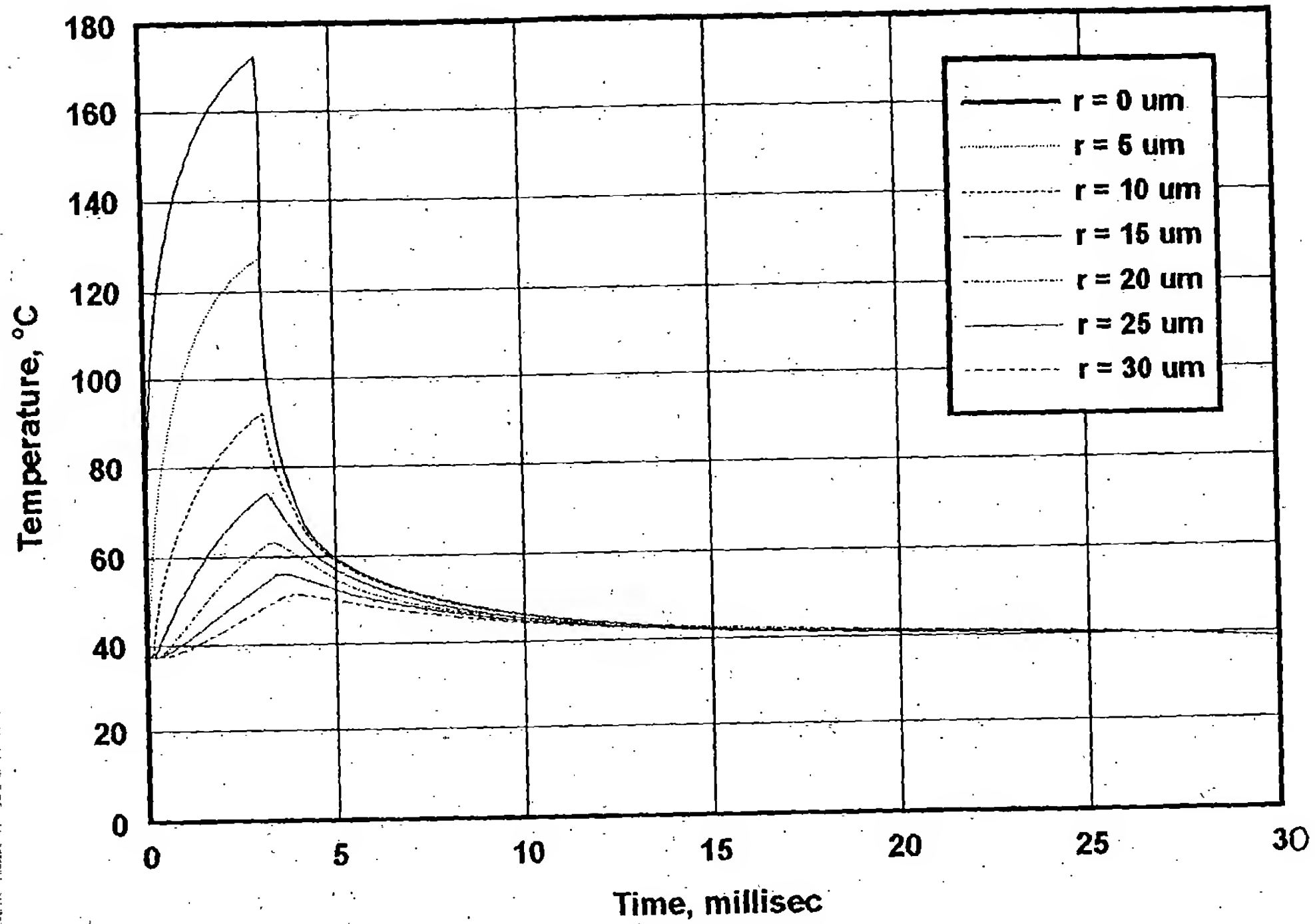


FIG. 10B

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*FIG. 11*

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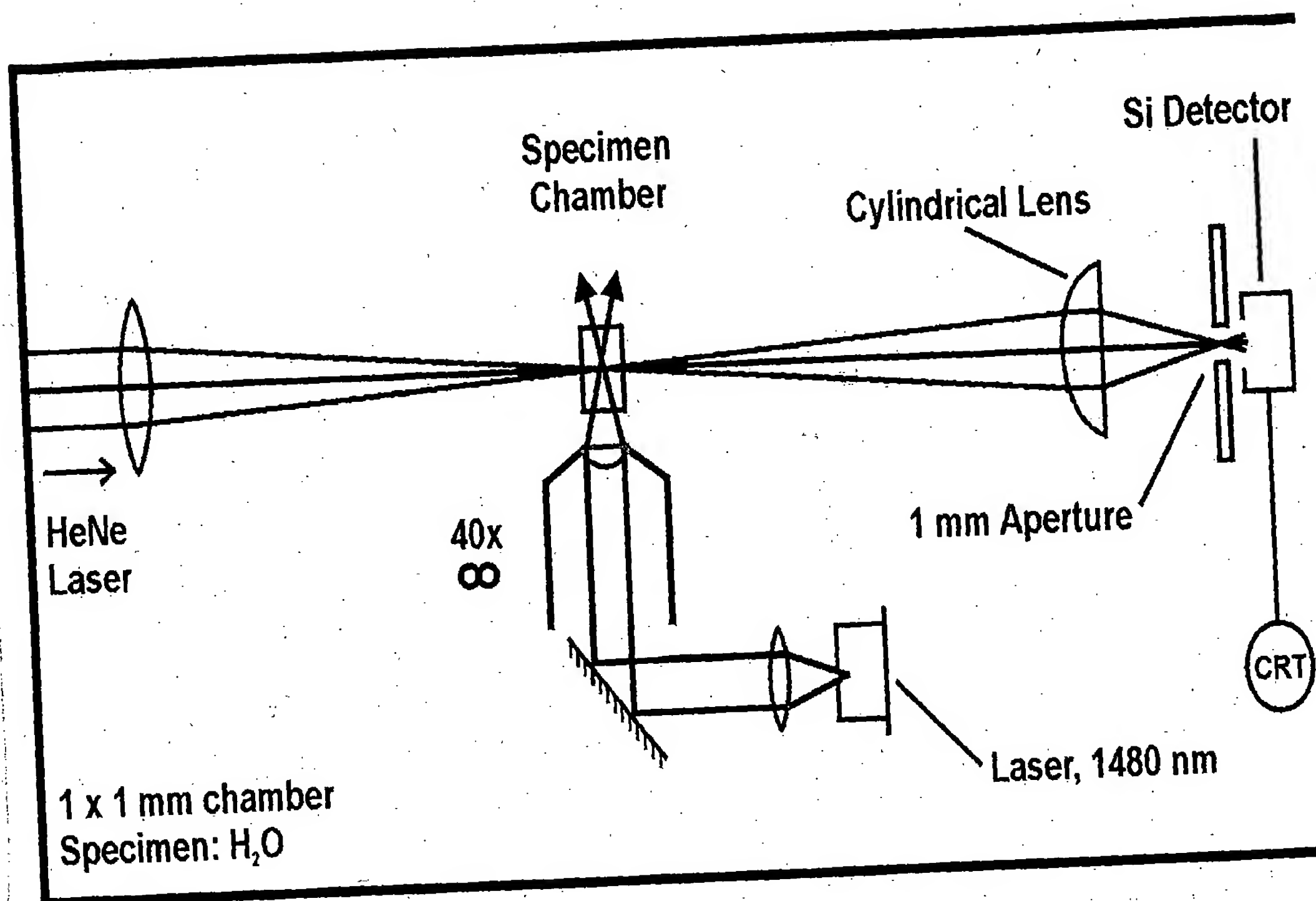


FIG. 12

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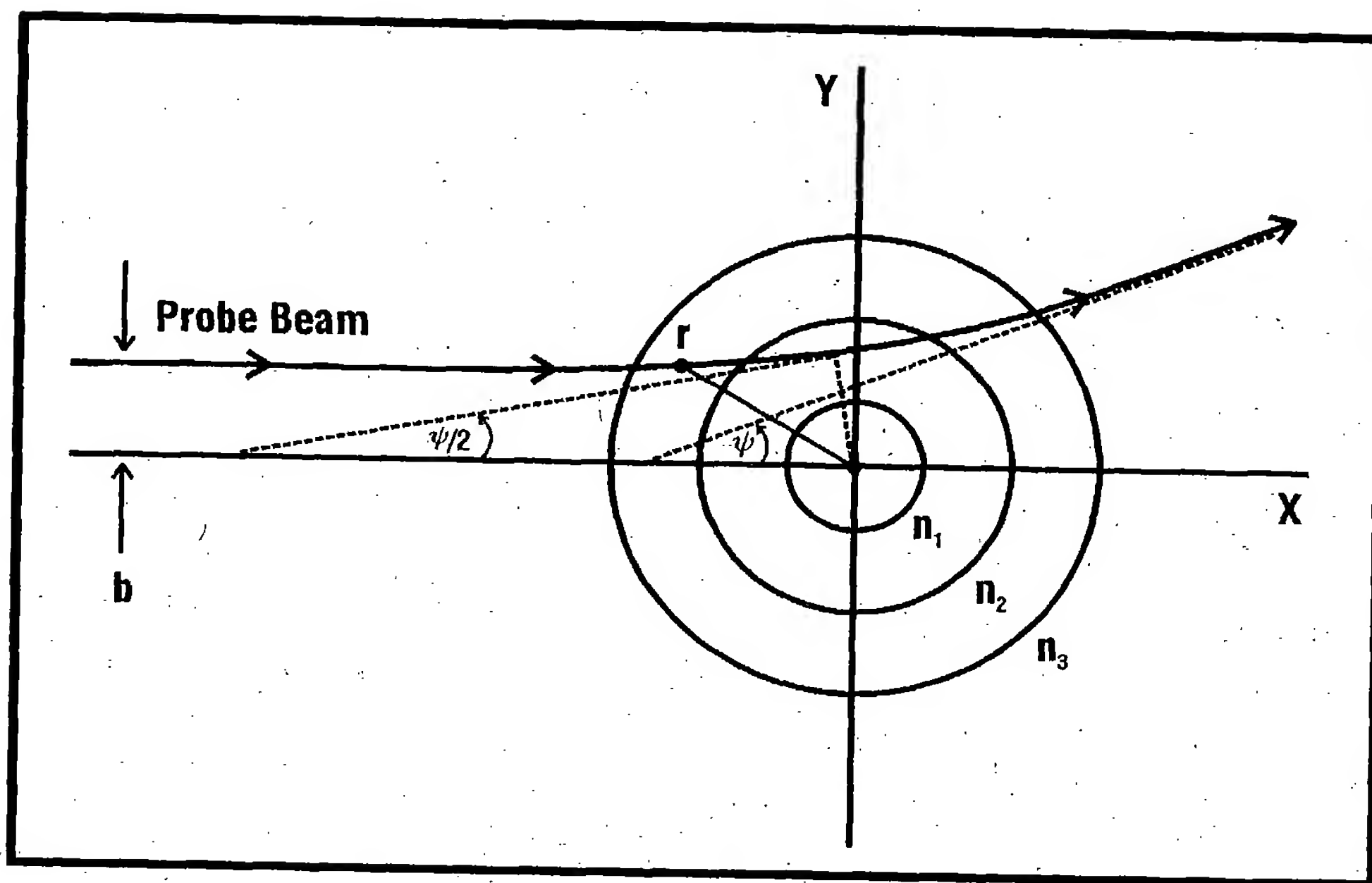


FIG. 13

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Exptl and predicted max. steering angle of probe beam,
vs delivered beam power in water.

Pulse duration 1 - 25 ms. Beam radius 3 micron.

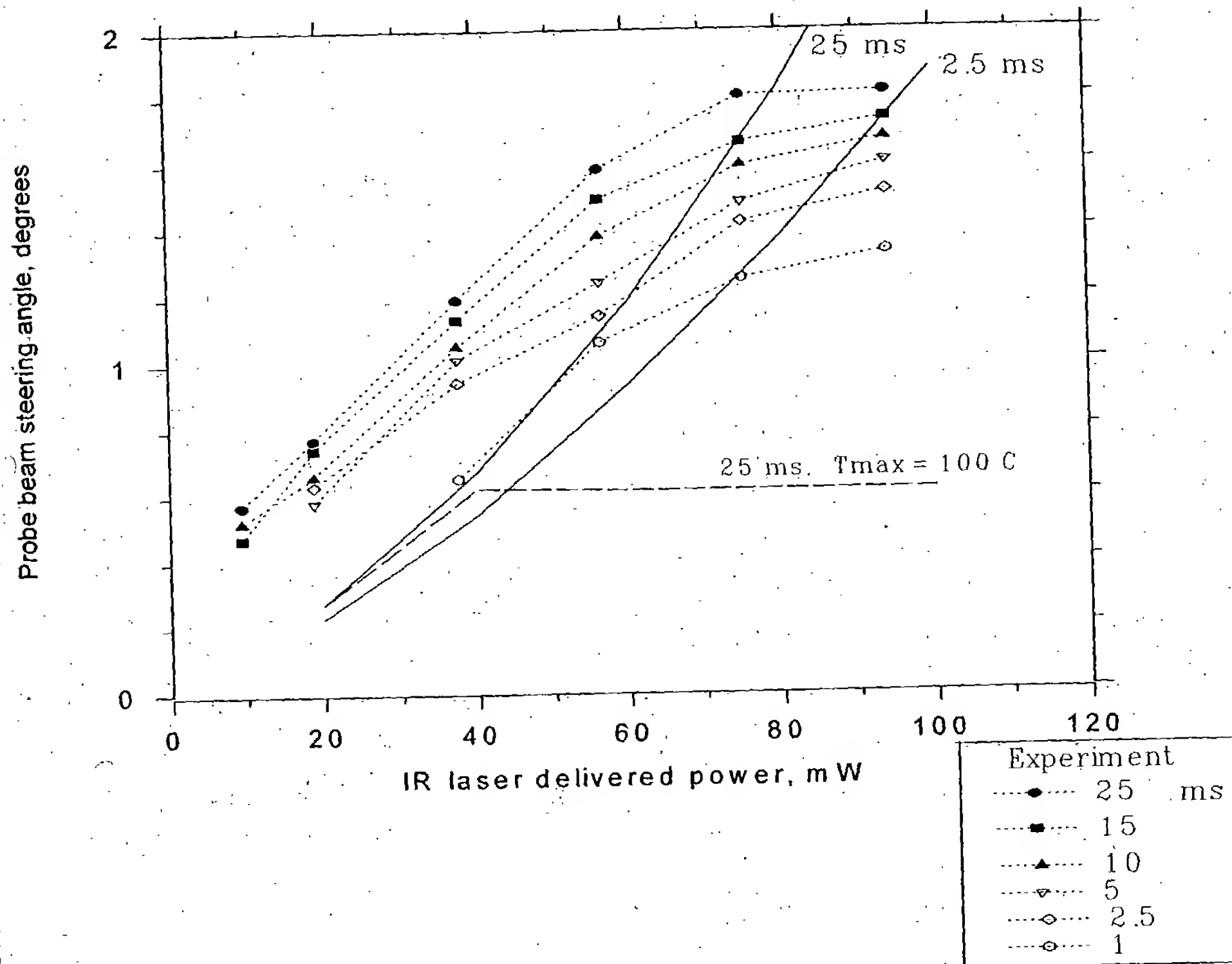
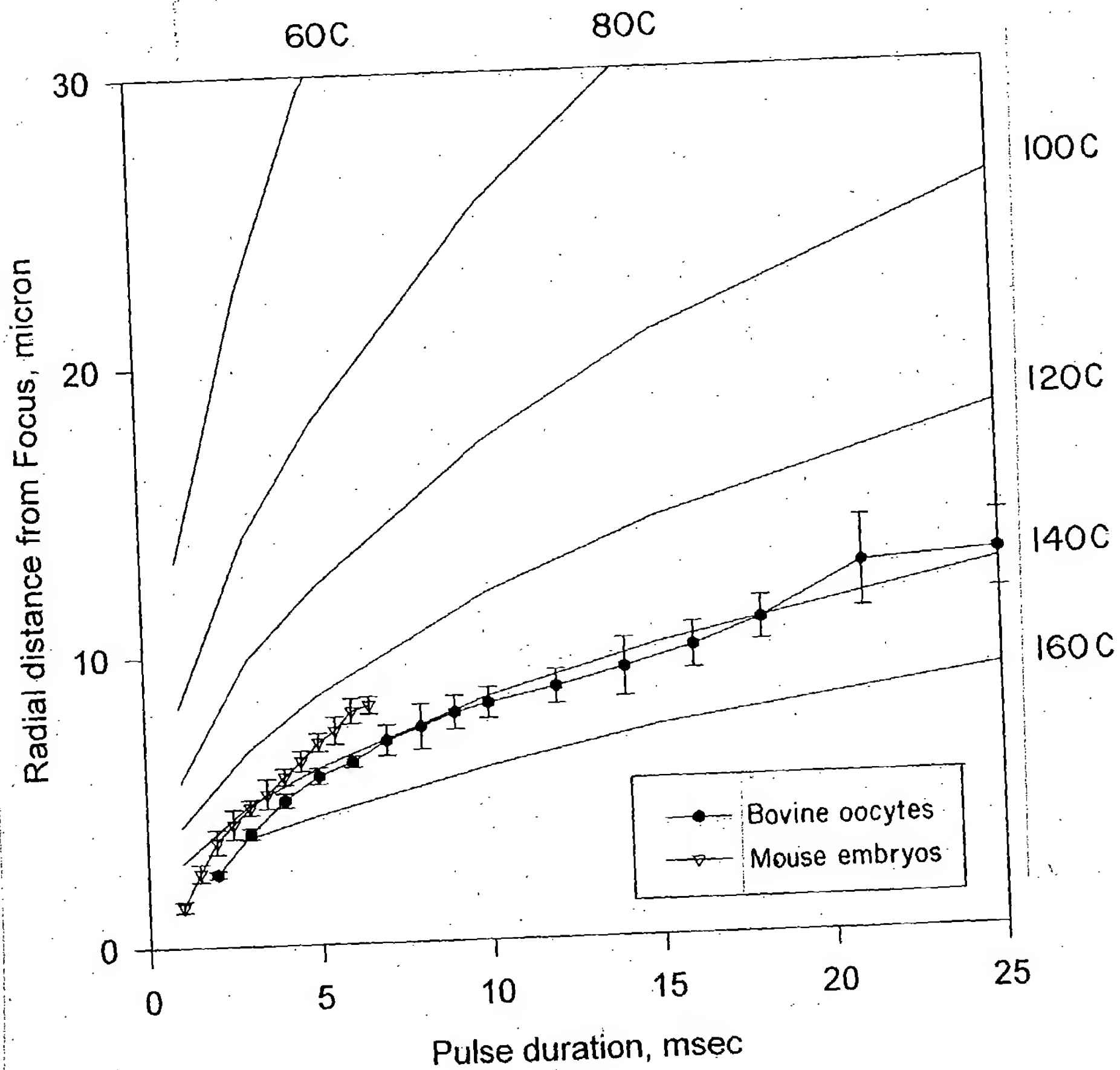


FIG. 14

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**ZP Drilled Trench Diameter vs Peak temperature
for various pulse length, radial position.
Power: 100 mW. Beam focal radius: 3 micron**



3 Bovine oocytes
2 Mouse Embryos

FIG. 15

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**Temperature at radius 20 micron
vs Pulse Duration, various Powers.
Beam radius 3 micron.**

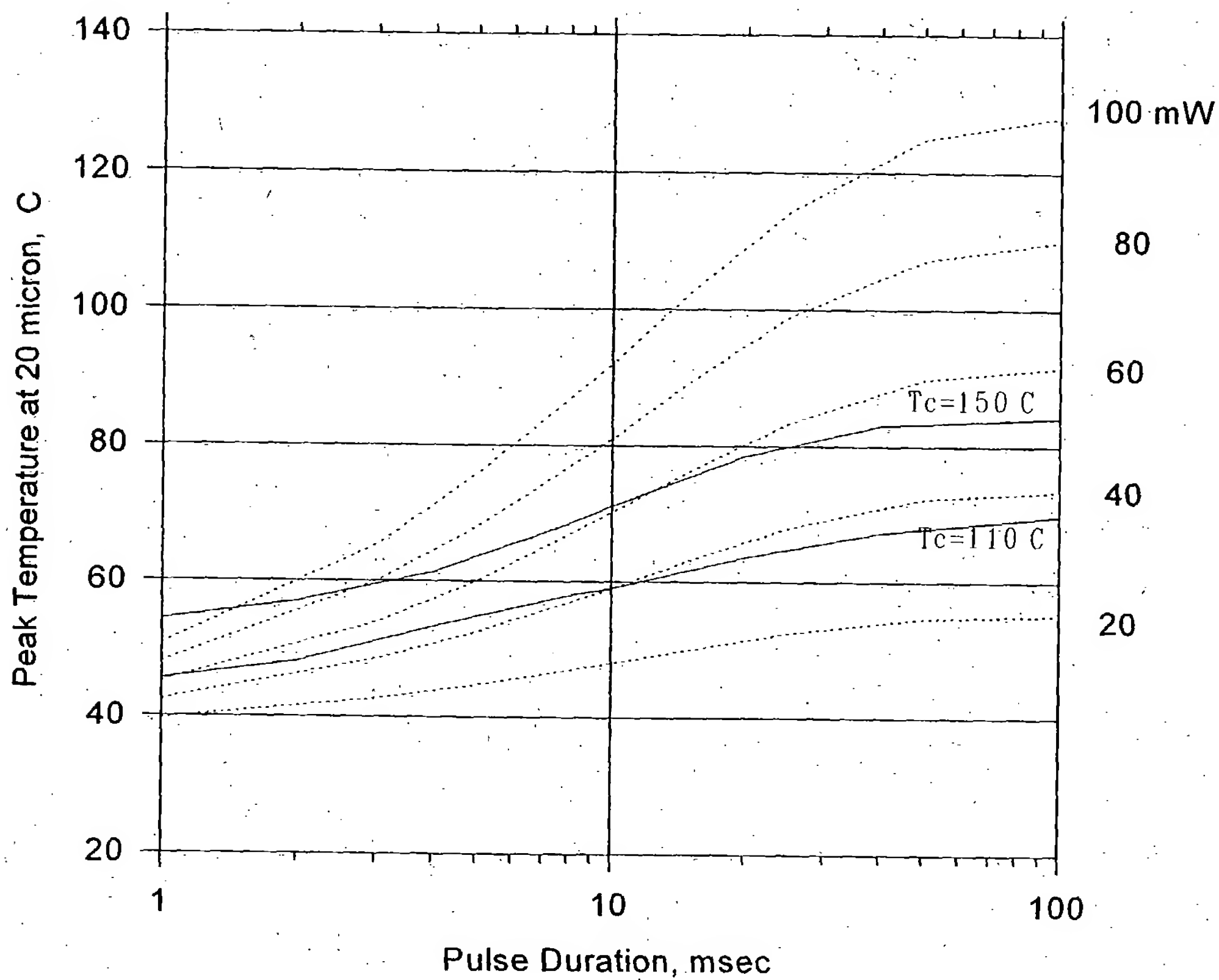


FIG. 16